

ABSTRACT

A hinge member provides electrical conductivity between pivotable bodies of an electronic device without the use of individual conductive wires, flexible conductive cables, bundles of wire, discrete connectors, or combinations thereof. The hinge member physically interconnects a first body to a pivotable second body of an electronic device, and includes a cylinder made in at least two portions and having circumferential grooves with three dimensional circuitry in the grooves and extending onto a mating surfaces of the two portions. Spring contacts connect to the three dimensional circuitry in the grooves and provide electrical connection to the first body.